CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023 Date : 27.01.2023

GRADATION FOR GSB (Grading V)

Client : **: Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency: **: M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of work: : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Date of Testing : 25.01.2023 to 27.01.2023

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1625	1625	12.50	87.50	80-100
26.5	2158	3783	29.10	70.90	55-90
9.5	2232	6015	46.27	53.73	35-65
4.75	1659	7674	59.03	40.97	25-50
2.36	3125	10799	83.07	16.93	10-20
0.85	1282	12081	92.93	7.07	2-10
0.425	711	12792	98.40	1.60	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	23.50	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023

Date : 27.01.2023

GRADATION FOR GSB (Grading V)

Client : : Assistant Executive Engineer, R R Nagar Sub Division, BBMP, Bangalore.

Agency: : M/s Sri Nanjundeshwara Construction (Rajesh M), Contractor, Bangalore.

Name of work: : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Jnanajyothi nagara (7th Main Road or Mathru krupa #12 Road(W0988)From #12 to ORR)

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Date of Testing : 25.01.2023 to 27.01.2023

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1325	1325	10.19	89.81	80-100
26.5	2283	3608	27.75	72.25	55-90
9.5	2369	5977	45.98	54.02	35-65
4.75	1537	7514	57.80	42.20	25-50
2.36	3124	10638	81.83	18.17	10-20
0.85	1275	11913	91.64	8.36	2-10
0.425	666	12579	96.76	3.24	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	21.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023

Date : 27.01.2023

GRADATION FOR GSB (Grading V)

Client : : Assistant Executive Engineer, R R Nagar Sub Division, BBMP, Bangalore.

Agency: : M/s Sri Nanjundeshwara Construction (Rajesh M), Contractor, Bangalore.

Name of work: : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Jnanajyothi nagara (Samruddhi #162 Road(W1261)From 4th Main Road to Dead end)

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Date of Testing : 25.01.2023 to 27.01.2023

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1325	1325	10.19	89.81	80-100
26.5	2168	3493	26.87	73.13	55-90
9.5	2369	5862	45.09	54.91	35-65
4.75	1572	7434	57.18	42.82	25-50
2.36	3214	10648	81.91	18.09	10-20
0.85	1582	12230	94.08	5.92	2-10
0.425	458	12688	97.60	2.40	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	24.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH specifications as per Table 400-1, Grading V

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023

Date : 27.01.2023

GRADATION FOR GSB (Grading V)

Client : : Assistant Executive Engineer, R R Nagar Sub Division, BBMP, Bangalore.

Agency: : M/s Sri Nanjundeshwara Construction (Rajesh M), Contractor, Bangalore.

Name of work: : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Jnanajyothi nagara (Janapriya Provision store Road(W1257)From Gangaratnappa Road to Sri Parvathi Prasanna)

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Date of Testing : 25.01.2023 to 27.01.2023

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1021	1021	7.85	92.15	80-100
26.5	2289	3310	25.46	74.54	55-90
9.5	2239	5549	42.68	57.32	35-65
4.75	1646	7195	55.35	44.65	25-50
2.36	3215	10410	80.08	19.92	10-20
0.85	1325	11735	90.27	9.73	2-10
0.425	654	12389	95.30	4.70	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	22.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The Material is satisfied as per the Requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023

Date : 27.01.2023

GRADATION FOR GSB (Grading V)

Client : : Assistant Executive Engineer, R R Nagar Sub Division, BBMP, Bangalore.

Agency: : M/s Sri Nanjundeshwara Construction (Rajesh M), Contractor, Bangalore.

Name of work: : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Jnanajyothi nagara (Nandhini Parlour Beside Road(W1395)from Ullal main Road to North side)

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Date of Testing : 25.01.2023 to 27.01.2023

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1525	1525	11.73	88.27	80-100
26.5	2158	3683	28.33	71.67	55-90
9.5	2396	6079	46.76	53.24	35-65
4.75	1659	7738	59.52	40.48	25-50
2.36	3214	10952	84.25	15.75	10-20
0.85	1282	12234	94.11	5.89	2-10
0.425	425	12659	97.38	2.62	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	23.50	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023

Date : 27.01.2023

GRADATION FOR GSB (Grading V)

Client : : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency: : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of work: : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Adarsha Layout (4th Cross Road(W0978)From Main Road to Dead end)

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Date of Testing : 25.01.2023 to 27.01.2023

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1325	1325	10.19	89.81	80-100
26.5	2283	3608	27.75	72.25	55-90
9.5	2369	5977	45.98	54.02	35-65
4.75	1537	7514	57.80	42.20	25-50
2.36	3124	10638	81.83	18.17	10-20
0.85	1275	11913	91.64	8.36	2-10
0.425	666	12579	96.76	3.24	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	21.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023

Date : 27.01.2023

GRADATION FOR GSB (Grading V)

Client : : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.
Agency: : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.
Name of work: : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore
Location Adarsha Layout (Vanitha G ,Kamadhenu Road(W1279)From 4th Cross Road to 1st Cross Road)
BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985
Date of Testing : 25.01.2023 to 27.01.2023

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1262	1262	9.71	90.29	80-100
26.5	2168	3430	26.38	73.62	55-90
9.5	2021	5451	41.93	58.07	35-65
4.75	1572	7023	54.02	45.98	25-50
2.36	3369	10392	79.94	20.06	10-20
0.85	1582	11974	92.11	7.89	2-10
0.425	512	12486	96.05	3.95	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	24.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023

Date : 27.01.2023

GRADATION FOR GSB (Grading V)

Client : : Assistant Executive Engineer, R R Nagar Sub Division, BBMP, Bangalore.

Agency: : M/s Sri Nanjundeshwara Construction (Rajesh M), Contractor, Bangalore.

Name of work: : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Adarsha Layout (2nd Cross Road(W0982)From Dead end to main Road)

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Date of Testing : 25.01.2023 to 27.01.2023

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1132	1132	8.71	91.29	80-100
26.5	2025	3157	24.28	75.72	55-90
9.5	2239	5396	41.51	58.49	35-65
4.75	1748	7144	54.95	45.05	25-50
2.36	3652	10796	83.05	16.95	10-20
0.85	1296	12092	93.02	6.98	2-10
0.425	752	12844	98.80	1.20	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	22.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023

Date : 27.01.2023

GRADATION FOR GSB (Grading V)

Client : : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency: : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of work: : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Adarsha Layout (Adarsha Layout Krishna Mandira Road(W1249)From South side to North side)

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Date of Testing : 25.01.2023 to 27.01.2023

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1232	1232	9.48	90.52	80-100
26.5	2252	3484	26.80	73.20	55-90
9.5	2369	5853	45.02	54.98	35-65
4.75	1451	7304	56.18	43.82	25-50
2.36	3296	10600	81.54	18.46	10-20
0.85	1322	11922	91.71	8.29	2-10
0.425	852	12774	98.26	1.74	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	23.50	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEE

Authorised Signatory

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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023 Date : 27.01.2023

GRADATION FOR GSB (Grading V)

Client : : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.
Agency: : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.
Name of work: : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Jnanajyothi nagara(4th Cross Road(W1233)Thulasamma Badavane Jnanajyothi nagara From Surya department Road to Dead end)

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Date of Testing : 25.01.2023 to 27.01.2023

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1021	1021	7.85	92.15	80-100
26.5	2369	3390	26.08	73.92	55-90
9.5	2214	5604	43.11	56.89	35-65
4.75	1632	7236	55.66	44.34	25-50
2.36	3214	10450	80.38	19.62	10-20
0.85	1356	11806	90.82	9.18	2-10
0.425	721	12527	96.36	3.64	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	21.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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CIVIL QUALITY CONSULTANTS & ENGINEERS
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023 Date:09.02.2023

FIELD DENSITY TEST BY SAND REPLACEMENT METHOD
(IS : 2720 - Part 28)

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Contractor : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of the work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)

Date of Testing 08.02.2023 to 09.02.2023

Material Source :WMM

Optium Moisture Content (%):7.0

Max.Dry Density (S) (g/cc):2.20

Sl.no	Location/Identification	Field dry Density (g/cc)	Field compaction achieved (%)	Requirement as per MORTH 5th edition Table 406.3.5
1	Sample 1	2.176	98.91	Min 98%

Note:
1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-56
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023 Date:09.02.2023

FIELD DENSITY TEST BY SAND REPLACEMENT METHOD (IS : 2720 - Part 28)

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Contractor : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of the work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Adarsha Layout (4th Cross Road(W0978)From Main Road to Dead end)

Date of Testing 08.02.2023 to 09.02.2023

Material Source :WMM

Optium Moisture Content (%):7.0

Max.Dry Density (S) (g/cc):2.20

Sl.no	Location/Identification	Field dry Density (g/cc)	Field compaction achieved (%)	Requirement as per MORTH 5th edition Table 406.3.5
2	Sample 2	2.179	99.05	Min 98%

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056
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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023 Date:09.02.2023

FIELD DENSITY TEST BY SAND REPLACEMENT METHOD
(IS : 2720 - Part 28)

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Contractor : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of the work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Jnanajyothi nagara (4th Cross Road(W1233)Thulasamma Badavane Jnanajyothi nagara From Surya department Road to Dead end)

Date of Testing 08.02.2023 to 09.02.2023

Material Source :WMM

Optium Moisture Content (%):7.0

Max.Dry Density (S) (g/cc):2.20

Sl.no	Location/Identification	Field dry Density (g/cc)	Field compaction achieved (%)	Requirement as per MORTH 5th edition Table 406.3.5
3	Sample 3	2.171	98.68	Min 98%

Note:
1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023 Date:31.01.2023

FIELD DENSITY TEST BY SAND REPLACEMENT METHOD (IS : 2720 - Part 28)

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Contractor : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of the work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location : Jnanajyothi nagara (7th Main Road or Mathru krupa #12 Road(W0988)From #12 to ORR)

Date of Testing 30.01.2023 to 31.01.2023

Material Source :GSB

Optium Moisture Content (%):6.4

Max.Dry Density (S) (g/cc):2.21

Sl.no	Location/Identification	Field dry Density (g/cc)	Field compaction achieved (%)	Requirement as per MORTH 5th edition Table 401.3.2
1	Sample 1	2.17	98.19	Min 98%

Note:
1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023

Date:31.01.2023

FIELD DENSITY TEST BY SAND REPLACEMENT METHOD (IS : 2720 - Part 28)

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Contractor : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of the work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Jnanajyothi nagara (Nandhini Parlour Beside Road(W1395)from Ullal main Road to North side)

Date of Testing 30.01.2023 to 31.01.2023

Material Source :GSB

Optium Moisture Content (%):6.4

Max.Dry Density (S) (g/cc):2.21

Sl.no	Location/Identification	Field dry Density (g/cc)	Field compaction achieved (%)	Requirement as per MORTH 5th edition Table 401.3.2
2	Sample 2	2.175	98.42	Min 98%

Note:
1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NCR/17/2022-2023 Date:31.01.2023

FIELD DENSITY TEST BY SAND REPLACEMENT METHOD
(IS : 2720 - Part 28)

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Contractor : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of the work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location : Adarsha Layout (2nd Cross Road(W0982)From Dead end t

Date of Testing 30.01.2023 to 31.01.2023

Material Source :GSB

Optium Moisture Content (%):6.4

Max.Dry Density (S) (g/cc):2.21

Sl.no	Location/Identification	Field dry Density (g/cc)	Field compaction achieved (%)	Requirement as per MORTH 5th edition Table 401.3.2
3	Sample 3	2.179	98.60	Min 98%

Note:
1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056
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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location : Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	201	201	2.0	98.0	95-100
22.4	2251	2452	24.5	75.5	60-80
11.2	2106	4558	45.6	54.4	40-60
4.75	1689	6247	62.5	37.5	25-40
2.36	1174	7421	74.2	25.8	15-30
0.600	815	8236	82.4	17.6	8-22
0.075	1363	9599	96.0	4.0	0-5

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajeshwari Nagar Sub Division
BBMP, Bhuvaneshwarinagar

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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, gtar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	172	172	1.7	98.3	95-100
22.4	2285	2457	24.6	75.4	60-80
11.2	2047	4504	45.0	55.0	40-60
4.75	1964	6468	64.7	35.3	25-40
2.36	1105	7573	75.7	24.3	15-30
0.600	698	8271	82.7	17.3	8-22
0.075	1255	9526	95.3	4.7	0-5

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

Corporate Off.: No. 133, Bhuvaneshwari nagar, Doddabasti Main Road, Bangalore-560 056
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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	223	223	2.2	97.8	95-100
22.4	2145	2368	23.7	76.3	60-80
11.2	2098	4466	44.7	55.3	40-60
4.75	1532	5998	60.0	40.0	25-40
2.36	1671	7669	76.7	23.3	15-30
0.600	601	8270	82.7	17.3	8-22
0.075	1454	9724	97.2	2.8	0-5

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	213	213	2.1	97.9	95-100
22.4	2007	2220	22.2	77.8	60-80
11.2	2264	4484	44.8	55.2	40-60
4.75	1572	6056	60.6	39.4	25-40
2.36	1349	7405	74.1	26.0	15-30
0.600	605	8010	80.1	19.9	8-22
0.075	1588	9598	96.0	4.0	0-5

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location : Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	187	187	1.9	98.1	95-100
22.4	2002	2189	21.9	78.1	60-80
11.2	2198	4387	43.9	56.1	40-60
4.75	1877	6264	62.6	37.4	25-40
2.36	1245	7509	75.1	24.9	15-30
0.600	603	8112	81.1	18.9	8-22
0.075	1485	9597	96.0	4.0	0-5

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	187	187	1.9	98.1	95-100
22.4	2035	2222	22.2	77.8	60-80
11.2	2214	4436	44.4	55.6	40-60
4.75	1688	6124	61.2	38.8	25-40
2.36	1179	7303	73.0	27.0	15-30
0.600	524	7827	78.3	21.7	8-22
0.075	1688	9515	95.2	4.8	0-5

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Adarsha Layout (4th Cross Road(W0978)From Main Road to Dead end)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	229	229	2.3	97.7	95-100
22.4	2011	2240	22.4	77.6	60-80
11.2	2163	4403	44.0	56.0	40-60
4.75	1585	5988	59.9	40.1	25-40
2.36	1232	7220	72.2	27.8	15-30
0.600	647	7867	78.7	21.3	8-22
0.075	1784	9651	96.5	3.5	0-5

Note:

1. *The Material is satisfied as per the Requirements.*

For CIVIL QUALITY CONSULTANTS & ENGINEE

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Divisicn
BBMP Bengaluru

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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.
Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.
Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore
Location : Adarsha Layout (4th Cross Road(W0978)From Main Road to Dead end)
IS Code: : IS 2386 (Part 1):1963(RA 2011)
Date of Testing : 02.02.2023
Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	197	197	2.0	98.0	95-100
22.4	2166	2363	23.6	76.4	60-80
11.2	2198	4561	45.6	54.4	40-60
4.75	1532	6093	60.9	39.1	25-40
2.36	1247	7340	73.4	26.6	15-30
0.600	575	7915	79.2	20.9	8-22
0.075	1686	9601	96.0	4.0	0-5

Note:
1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Divisica
BBMP Bangaluru

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560
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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Adarsha Layout (4th Cross Road(W0978)From Main Road to Dead end)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, gtar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	197	197	2.0	98.0	95-100
22.4	2135	2332	23.3	76.7	60-80
11.2	2264	4596	46.0	54.0	40-60
4.75	1582	6178	61.8	38.2	25-40
2.36	1273	7451	74.5	25.5	15-30
0.600	649	8100	81.0	19.0	8-22
0.075	1451	9551	95.5	4.5	0-5

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Adarsha Layout (4th Cross Road(W0978)From Main Road to Dead end)

IS Code: :IS 2386 (Part 1):1963(RA 2011)

Date of Testing 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	234	234	2.3	97.7	95-100
22.4	2402	2636	26.4	73.6	60-80
11.2	2081	4717	47.2	52.8	40-60
4.75	1699	6416	64.2	35.8	25-40
2.36	1127	7543	75.4	24.6	15-30
0.600	565	8108	81.1	18.9	8-22
0.075	1643	9751	97.5	2.5	0-5

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
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BBMP Bengaluru

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Adarsha Layout (4th Cross Road(W0978)From Main Road to Dead end)

IS Code: :IS 2386 (Part 1):1963(RA 2011)

Date of Testing 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	185	185	1.9	98.2	95-100
22.4	2716	2901	29.0	71.0	60-80
11.2	2043	4944	49.4	50.6	40-60
4.75	1598	6542	65.4	34.6	25-40
2.36	1288	7830	78.3	21.7	15-30
0.600	594	8424	84.2	15.8	8-22
0.075	1297	9721	97.2	2.8	0-5

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

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CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Adarsha Layout (4th Cross Road(W0978)From Main Road to Dead end)

IS Code: :IS 2386 (Part 1):1963(RA 2011)

Date of Testing 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	221	221	2.2	97.8	95-100
22.4	2741	2962	29.6	70.4	60-80
11.2	2036	4998	50.0	50.0	40-60
4.75	1694	6692	66.9	33.1	25-40
2.36	1283	7975	79.8	20.3	15-30
0.600	657	8632	86.3	13.7	8-22
0.075	932	9564	95.6	4.4	0-5

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.
Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.
Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore
Location Adarsha Layout (4th Cross Road(W0978)From Main Road to Dead end)
IS Code: :IS 2386 (Part 1):1963(RA 2011)
Date of Testing 02.02.2023
Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	191	191	1.9	98.1	95-100
22.4	2735	2926	29.3	70.7	60-80
11.2	2081	5007	50.1	49.9	40-60
4.75	1633	6640	66.4	33.6	25-40
2.36	1024	7664	76.6	23.4	15-30
0.600	169	7833	78.3	21.7	8-22
0.075	1678	9511	95.1	4.9	0-5

Note:
1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Constructions (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location : Jnanajyothi nagara (4th Cross Road(W1233)Thulasamma Badavane Jnanajyothi nagara From Surya department Road to Dead end)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	225	225	2.3	97.8	95-100
22.4	2369	2594	25.9	74.1	60-80
11.2	2178	4772	47.7	52.3	40-60
4.75	1542	6314	63.1	36.9	25-40
2.36	1163	7477	74.8	25.2	15-30
0.600	588	8065	80.7	19.4	8-22
0.075	1467	9532	95.3	4.7	0-5

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location : Jnanajyothi nagara (4th Cross Road(W1233)Thulasamma Badavane Jnanajyothi nagara From Surya department Road to Dead end)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	268	268	2.7	97.3	95-100
22.4	2499	2767	27.7	72.3	60-80
11.2	2541	5308	53.1	46.9	40-60
4.75	1634	6942	69.4	30.6	25-40
2.36	1205	8147	81.5	18.5	15-30
0.600	658	8805	88.1	12.0	8-22
0.075	852	9657	96.6	3.4	0-5

Note:

1. The Materials satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location : Jnanajyothi nagara (4th Cross Road(W1233)Thulasamma Badavane Jnanajyothi nagara From Surya department Road to Dead end)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	222	222	2.2	97.8	95-100
22.4	2501	2723	27.2	72.8	60-80
11.2	2169	4892	48.9	51.1	40-60
4.75	1532	6424	64.2	35.8	25-40
2.36	1183	7607	76.1	23.9	15-30
0.600	500	8107	81.1	18.9	8-22
0.075	1524	9631	96.3	3.7	0-5

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEE

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

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Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location : Jnanajyothi nagara (4th Cross Road(W1233)Thulasamma Badavane Jnanajyothi nagara From Surya department Road to Dead end)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	223	223	2.2	97.8	95-100
22.4	2529	2752	27.5	72.5	60-80
11.2	2133	4885	48.9	51.2	40-60
4.75	1478	6363	63.6	36.4	25-40
2.36	1053	7416	74.2	25.8	15-30
0.600	522	7938	79.4	20.6	8-22
0.075	1958	9896	99.0	1.0	0-5

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location : Jnanajyothi nagara (4th Cross Road(W1233)Thulasamma Badavane Jnanajyothi nagara From Surya department Road to Dead end)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 02.02.2023

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	281	281	2.8	97.2	95-100
22.4	2448	2729	27.3	72.7	60-80
11.2	2369	5098	51.0	49.0	40-60
4.75	1505	6603	66.0	34.0	25-40
2.36	1149	7752	77.5	22.5	15-30
0.600	654	8406	84.1	15.9	8-22
0.075	1327	9733	97.3	2.7	0-5

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
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BBMP Bengaluru

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date: 02.02.2023

Aggregate Impact Value

Client	**: Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.
Agency	**: M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.
Name of the Work	: Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore
Location	Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	02.02.2023

Sl No.	Details	Test No. 1	Test No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	386	388	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	81	83	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	305	305	
4	Aggregate Impact value = percent fines $100^* (W_2/W_1)\%$	20.98	21.39	21.19

Comments:
→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

Note:
→The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 05
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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date: 02.02.2023

Aggregate Impact Value

Client	**: Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.
Agency	**: M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.
Name of the Work	: Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore
Location	Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	02.02.2023

Sl No.	Details	Test No. 1	Test No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	383	385	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	80	82	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	303	303	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	20.89	21.30	**21.09**

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

Note:

→The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Rajarajeshwari Nagar Sub Division
BBMP Bengaluru

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023 Date: 02.02.2023

Aggregate Impact Value

Client	**: Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.
Agency	**: M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.
Name of the Work	: Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore
Location	Adarsha Layout (4th Cross Road(W0978)From Main Road to Dead end)
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	02.02.2023

Sl No.	Details	Test No. 1	Test No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	385	385	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	87	89	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	298	296	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	22.60	23.12	22.86

Comments:
→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

Note:
→The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date: 02.02.2023

Aggregate Impact Value

Client	**: Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.
Agency	**: M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.
Name of the Work	: Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore
Location	Adarsha Layout (4th Cross Road(W0978)From Main Road to Dead end)
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	02.02.2023

Sl No.	Details	Test No. 1	Test No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	382	384	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	87	85	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	295	299	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	22.77	22.14	**22.46**

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

Note:

→The Materials satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023 Date: 02.02.2023

Aggregate Impact Value

Client	**: Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.
Agency	**: M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.
Name of the Work	: Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore
Location	Jnanajyothi nagara (4th Cross Road(W1233)Thulasamma Badavane Jnanajyothi nagara From Surya department Road to Dead end)
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	02.02.2023

Sl No.	Details	Test No. 1	Test No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	389	387	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	85	83	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	304	304	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	21.85	21.45	21.65

Comments:
→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400,12)

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Note:
→The Material is satisfied as per the Requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	: **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.
Agency	: **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.
Name of Work	: Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore
BIS code:	IS 2386(Part 1) 1963 (RA 2011)
Location	Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)
Type of Mix	Wet Mix Macadam
Date of Testing	02.02.2023

Sl no	Test	1	2	3	4	Requirements as per MORTH 5th edition table no 400.12
1	Flakiness Index %	11.2	11.5	11.5	11.5	Combined Flakiness & Elongation index Max 35%
2	Elongation Index %	10.7	10.5	10.7	10.5	
	Combined Flakiness & Elongation index	21.90	22.00	22.20	22.00	

Note:

→ The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	: **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.
Agency	: **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.
Name of Work	: Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore
BIS code:	IS 2386(Part 1) 1963 (RA 2011)
Location	Adarsha Layout (4th Cross Road(W0978)From Main Road to Dead end)
Type of Mix	Wet Mix Macadam
Date of Testing	02.02.2023

Sl no	Test	1	2	3	4	Requirements as per MORTH 5th edition table no 400.12
1	Flakiness Index %	11.2	10.9	11.7	12.1	Combined Flakiness & Elongation index Max 35%
2	Elongation Index %	12.6	11.7	10.5	10.8	
	Combined Flakiness & Elongation index	23.80	22.60	22.20	22.90	

Note:

→ *The Material is satisfied as per the Requirements.*

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Job No.: CQCE/BBMP/NCR/17/2022-2023

Date : 02.02.2023

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	: **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.
Agency	: **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.
Name of Work	: Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore
BIS code:	IS 2386(Part 1) 1963 (RA 2011)
Location	Jnanajyothi nagara (4th Cross Road(W1233)Thulasamma Badavane Jnanajyothi nagara From Surya department Road to Dead end)
Type of Mix	Wet Mix Macadam
Date of Testing	02.02.2023

Sl no	Test	1	2	3	4	Requirements as per MORTH 5th edition table no 400.12
1	Flakiness Index %	13.1	11.4	10.9	12.2	Combined Flakiness & Elongation index Max 35%
2	Elongation Index %	10.7	11.2	11.6	11.0	
	Combined Flakiness & Elongation index	23.80	22.60	22.50	23.20	

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Note:

→ The Material is satisfied as per the Requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date 04.02.2023

ATTERBERG LIMITS TEST FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

Agency : **M/s Sri Nanjundeshwara Construction (Rajesh M),** Contractor, Bangalore.

Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore

Location Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)

IS Code: IS 2720(Part 5):1985

Date of Testing 02.02.2023 to 04.02.2023

Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	21.00	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NCR/17/2022-2023

Date 04.02.2023

ATTERBERG LIMITS TEST FOR WMM

Client : Assistant Executive Engineer, R R Nagar Sub Division, BBMP, Bangalore.

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Location Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)

IS Code: IS 2720(Part 5):1985

Date of Testing 02.02.2023 to 04.02.2023

Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	19.55	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.:

CQCE/BBMP/NCR/17/2022-2023

Date 04.02.2023

ATTERBERG LIMITS TEST FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

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Location Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)

IS Code: IS 2720(Part 5):1985

Date of Testing 02.02.2023 to 04.02.2023

Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	20.50	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Date 04.02.2023

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Location Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)

IS Code: IS 2720(Part 5):1985

Date of Testing 02.02.2023 to 04.02.2023

Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	21.00	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The Material is satisfied as per the Requirements.

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Date 04.02.2023

ATTERBERG LIMITS TEST FOR WMM

Client : **Assistant Executive Engineer,** R R Nagar Sub Division, BBMP, Bangalore.

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Location Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)

IS Code: IS 2720(Part 5):1985

Date of Testing 02.02.2023 to 04.02.2023

Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	19.00	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:
1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Job No.: CQCE/BBMP/NCR/17/2022-2023

Date 04.02.2023

ATTERBERG LIMITS TEST FOR WMM

Client	: Assistant Executive Engineer, R R Nagar Sub Division, BBMP, Bangalore.
Agency	: M/s Sri Nanjundeshwara Construction (Rajesh M), Contractor, Bangalore.
Name of Work	: Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore
Location	Jnanajyothi nagara (Sri Gangaratnappa Road(W1259)From Ullal Main Road to #30/37)
IS Code:	IS 2720(Part 5):1985
Date of Testing	02.02.2023 to 04.02.2023
Material Type	: Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	22.50	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Note:

1. The Material is satisfied as per the Requirements.

Authorised Signatory

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Job No.: CQCE/BBMP/NCR/17/2022-2023

Date 04.02.2023

ATTERBERG LIMITS TEST FOR WMM

Client : Assistant Executive Engineer, R R Nagar Sub Division, BBMP, Bangalore.
Agency : M/s Sri Nanjundeshwara Construction (Rajesh M), Contractor, Bangalore.
Name of Work : Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore
Location Adarsha Layout (4th Cross Road(W0978)From Main Road to Dead end)
IS Code: IS 2720(Part 5):1985
Date of Testing 02.02.2023 to 04.02.2023
Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	23.00	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:
1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Job No.: CQCE/BBMP/NCR/17/2022-2023

Date 04.02.2023

ATTERBERG LIMITS TEST FOR WMM

Client	: Assistant Executive Engineer, R R Nagar Sub Division, BBMP, Bangalore.
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Name of Work	: Providing Gallery to Musical Fountain in JP Park in Ward No.17 and Drilling of Borewells, Providing Water Supply and Construction of RO Plants in R R Nagar Constituency under Package -2022-23 RRN-DIV-(10), BBMP, Bangalore
Location	Adarsha Layout (4th Cross Road(W0978)From Main Road to Dead end)
IS Code:	IS 2720(Part 5):1985
Date of Testing	02.02.2023 to 04.02.2023
Material Type	: Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	20.50	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The Material is satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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